

As modified by Blakely, Sokoloff, Taylor & Zafman LLP

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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### UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 42.P13837X

(maximum 12 characters)

First Named Inventor Yuegang Zhang

Title: SORTING OF SINGLE-WALLED CARBON NANOTUBES USING OPTICAL DIPOLE TRAPS

Express Mail Label No. EV320119197US

22387 U.S. PTO  
10/669150

09/23/03

ADDRESS TO: Mail Stop: Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

### APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. XX **Fee Transmittal Form (e.g., PTO/SB/17)**  
(Submit an original and a duplicate for fee processing)
2.        **Applicant Claims Small Entity Status. (37 CFR 1.27)**
3. XX **Specification (Total Pages 36)**  
(preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference sequence listing, a table,  
or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. XX **Drawings(s) (35 USC 113) (Total Sheets 9)**
5.        **Oath or Declaration (Total Pages 0)**
  - a.        Newly Executed (Original or Copy)
  - b.        Copy from a Prior Application (37 CFR 1.63(d))  
(for Continuation/Divisional with Box 18 completed)
    - i.        DELETIONS OF INVENTOR(S) Signed statement attached deleting  
inventor(s) named in the prior application, see 37 CFR 1.63(d)(2)  
and 1.33(b).
  - c.        Unsigned.
6.        **Application Data Sheet. (37 CFR 1.76)**
7.        **CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)**
8.        **Nucleotide and/or Amino Acid Sequence Submission**  
(if applicable, all necessary)
  - a.        **Computer Readable Form (CRF)**
  - b.        **Specification Sequence Listing on:**
    - i.        CD-ROM or CD-R (2 copies); or
    - ii.        paper
  - c.        **Statement verifying identity of above copies**

The PTO did not receive the following  
listed item(s) Fee transmittal

# **ACCOMPANYING APPLICATION PARTS**

9. \_\_\_\_\_ Assignment Papers (cover sheet & documents(s))
10. \_\_\_\_\_ a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)  
 \_\_\_\_\_ b. Power of Attorney
11. \_\_\_\_\_ English Translation Document (if applicable)
12. \_\_\_\_\_ a. Information Disclosure Statement (IDS)/PTO-1449  
 \_\_\_\_\_ b. Copies of IDS Citations
13. \_\_\_\_\_ Preliminary Amendment
14. XX Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. \_\_\_\_\_ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. \_\_\_\_\_ Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- 17A. XX Other: Certificate of mailing with copy of postcard signed by attorney

17B. XX Pursuant to 37 C.F.R. 1.136(a)(3), applicant(s) hereby request and authorize the U.S. Patent and Trademark Office to (1) treat any concurrent or future reply that requires a petition for extension of time as incorporating a petition for extension of time for the appropriate length of time and (2) charge all required fees, including extension of time fees and fees under 37 C.F.R. 1.16 and 1.17, to Deposit Account No. 02-2666.

18A. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet Under 37 C.F.R. 1.76:

\_\_\_\_\_ Continuation \_\_\_\_\_ Divisional XX Continuation-in-part (CIP)  
 Of Prior Application No.: 10/107,833, Filed March 26, 2002 Examiner \_\_\_\_\_ Group Art Unit \_\_\_\_\_  
 (which is a \_\_\_\_\_ continuation/ \_\_\_\_\_ divisional/ \_\_\_\_\_ CIP of prior application no. \_\_\_\_\_,  
 which is a \_\_\_\_\_ continuation/ \_\_\_\_\_ divisional/ \_\_\_\_\_ CIP of prior application no. \_\_\_\_\_) (List entire chain of priority)

Applicant(s): Also include a Preliminary Amendment to amend the specification to claim priority.  
 For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18B. Statement under 37 CFR 3.73(b) for continuing application:  
 The undersigned states that Intel Corporation (name of assignee) is the assignee of the entire right, title, and interest in the accompanying patent application by virtue of an assignment recorded in the Patent and Trademark Office at Reel. No. \_\_\_\_\_ Frame No. \_\_\_\_\_ (or a copy of which is attached).

19. Correspondence Address  
 \_\_\_\_\_ Customer Number or Bar Code Label \_\_\_\_\_  
 or \_\_\_\_\_ (Insert Customer No. or Attach Bar Code Label here)  
X Correspondence Address Below  
 NAME Jan Carol Little  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
 ADDRESS 12400 Wilshire Boulevard  
Seventh Floor  
 CITY Los Angeles STATE California ZIP CODE 90025-1026  
 Country U.S.A. TELEPHONE (206) 292-8600 FAX (206) 292-8606

Name (PRINT/TYPE): Jan Carol Little Registration No.: 41,181  
 Signature: *Jan Carol Little* Date: September 23, 2003

Our Reference: 42.P13837X

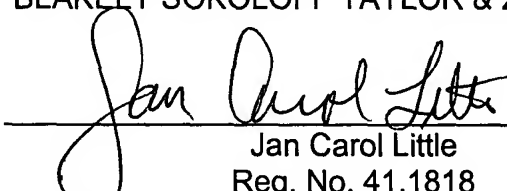
Patent

# SORTING OF SINGLE-WALLED CARBON NANOTUBES USING OPTICAL DIPOLE TRAPS

Inventors: Yuegang Zhang; Eric Hannah and Tae-Woong Koo

Respectfully submitted,

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

  
Jan Carol Little  
Reg. No. 41,1818

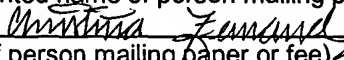
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Date of Deposit: September 23, 2003

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Christina Fernandez

(Typed or printed name of person mailing paper or fee)

 September 23, 2003  
(Signature of person mailing paper or fee) (Date signed)

Serial/Patent No.	<b>New Patent Application</b>	Filing/Issue Date:	<b>Herewith</b>
Client:	<b>Intel Corporation</b>		
Title:	<b>SORTING OF SINGLE-WALLED CARBON NANOTUBES USING OPTICAL DIPOLE TRAPS</b>		
BSTZ File No.	<b>42.P13837X</b>	Atty/Secty Initials:	<b>JCL:cff</b>
Date Mailed:	<b>September 23, 2003</b>	Docket Due Date:	<b>*****</b>
The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:			
<input type="checkbox"/> Amendment/Response (____ pgs.)	<input checked="" type="checkbox"/> Express Mail No. <b>EV320119197US</b>	<input type="checkbox"/> Check No. _____	
<input type="checkbox"/> Appeal Brief (____ pgs.) (in triplicate)	<input type="checkbox"/> _____ Month(s) Extension of Time	Amt: _____	
<input type="checkbox"/> Application - Utility (____ pgs., with cover and abstract)	<input type="checkbox"/> Information Disclosure Statement & PTO-1449 (____ pgs.)	<input type="checkbox"/> Check No. _____	
<input type="checkbox"/> Application - Rule 1.53(b) Continuation (____ pgs.)	<input type="checkbox"/> Issue fee transmittal	Amt: _____	
<input type="checkbox"/> Application - Rule 1.53(b) Divisional (____ pgs.)	<input type="checkbox"/> Notice of Appeal		
<input checked="" type="checkbox"/> Application - Rule 1.53(b) CIP ( <b>36</b> pgs.)	<input type="checkbox"/> Petition for Extension of Time		
<input type="checkbox"/> Application - Rule 1.53(d) CPA Transmittal (____ pgs.)	<input type="checkbox"/> Petition for _____		
<input type="checkbox"/> Application - Design (____ pgs.)	<input checked="" type="checkbox"/> Postcard		
<input type="checkbox"/> Application - PCT (____ pgs.)	<input type="checkbox"/> Power of Attorney (____ pgs.)		
<input type="checkbox"/> Application - Provisional (____ pgs.)	<input type="checkbox"/> Preliminary Amendment (____ pgs.)		
<input type="checkbox"/> Assignment and Cover Sheet	<input checked="" type="checkbox"/> Reply Brief (____ pgs.)		
<input checked="" type="checkbox"/> Certificate of Mailing	<input type="checkbox"/> Response to Notice of Missing Parts		
<input type="checkbox"/> Declaration & POA (____ pgs.)	<input type="checkbox"/> Small Entity Declaration for Indep. Inventor/Small Business		
<input type="checkbox"/> Disclosure Docs & Orig & Copy of Inventor's Signed Letter (____ pgs.)	<input checked="" type="checkbox"/> Transmittal Letter, in duplicate		
<input checked="" type="checkbox"/> Drawings: <b>9</b> # of sheets includes <b>11</b> figures	<input type="checkbox"/> Fee Transmittal, in duplicate		
<input checked="" type="checkbox"/> Other: <b>*Certificate of mailing with copy of return postcard signed by attorney</b>			